

Scaled data based on original data using  
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State  
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: EPHESUS

Report Number: P731552 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0530N-57-70-2S-CV5**

Issue Date: 11/16/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P731552 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-240-9)  
Test Lab: INNOVATION CENTER  
Issue Date: 11/16/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: EPHEBUS  
Catalog Number: EPH-LS-08-0530N-57-70-2S-CV5  
Description: EPHEBUS LUMASPORT 8 INTEGRAL LUMINAIRE  
(8) 5700K, 70 CRI LEDS AND 2S BEAM SHAPE WITH 5 LOUVER CUTOFF VISOR  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

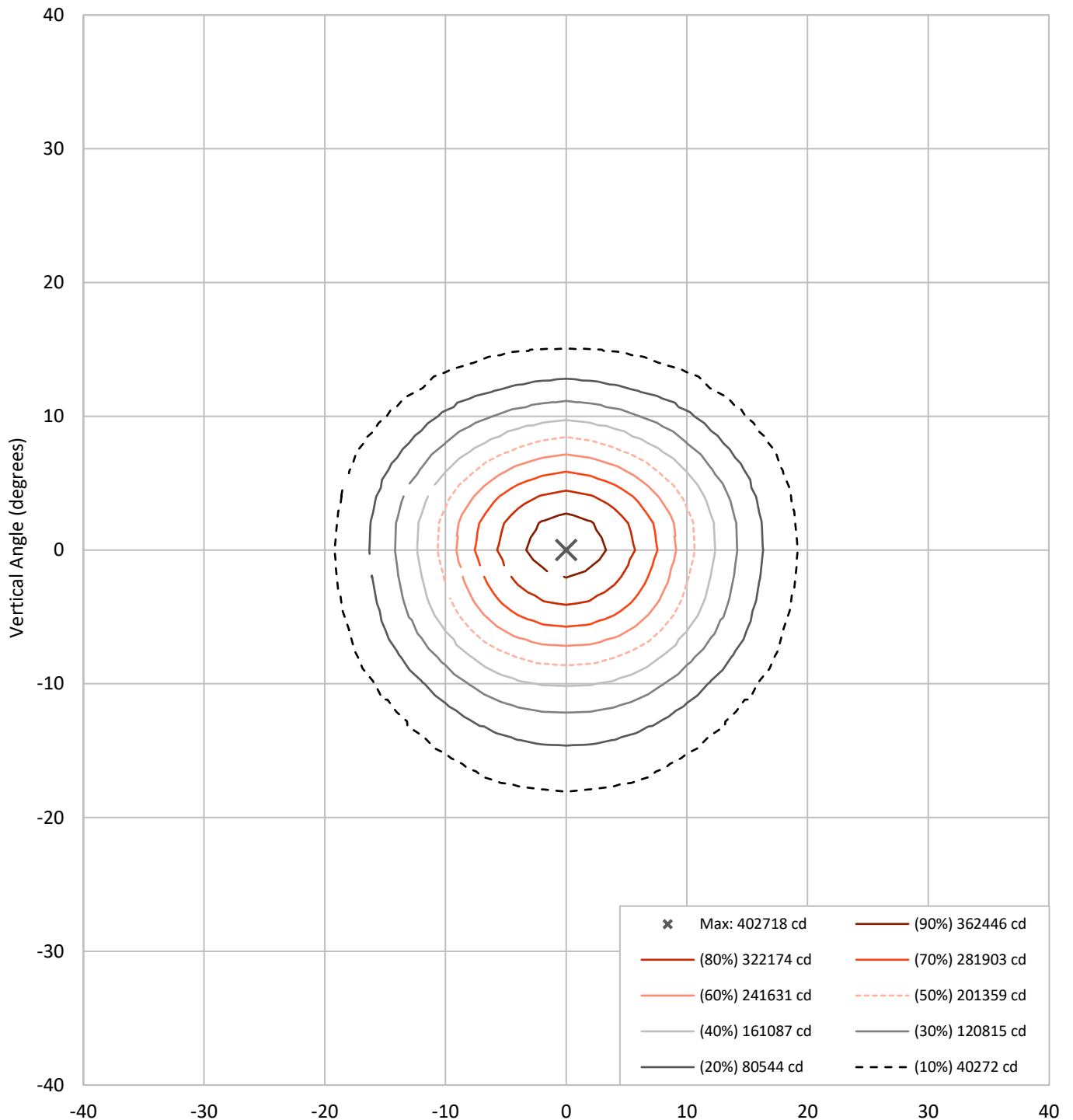
**Summary**

Lumens per Lamp:	N/A	NEMA Type:	3H x 3V
Luminaire Lumens:	54318.4 lumens	Max Intensity:	402718 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	96.8 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	21.3°H x 17°V	Field Angle (10%):	38.4°H x 32.9°V
Beam Lumens:	23771 lumens	Field Lumens:	46010.5 lumens
Beam Efficiency:	43.8%	Field Efficiency:	84.7%

Input Watts (W): 561.4  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT

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### Iso-Candela Plot





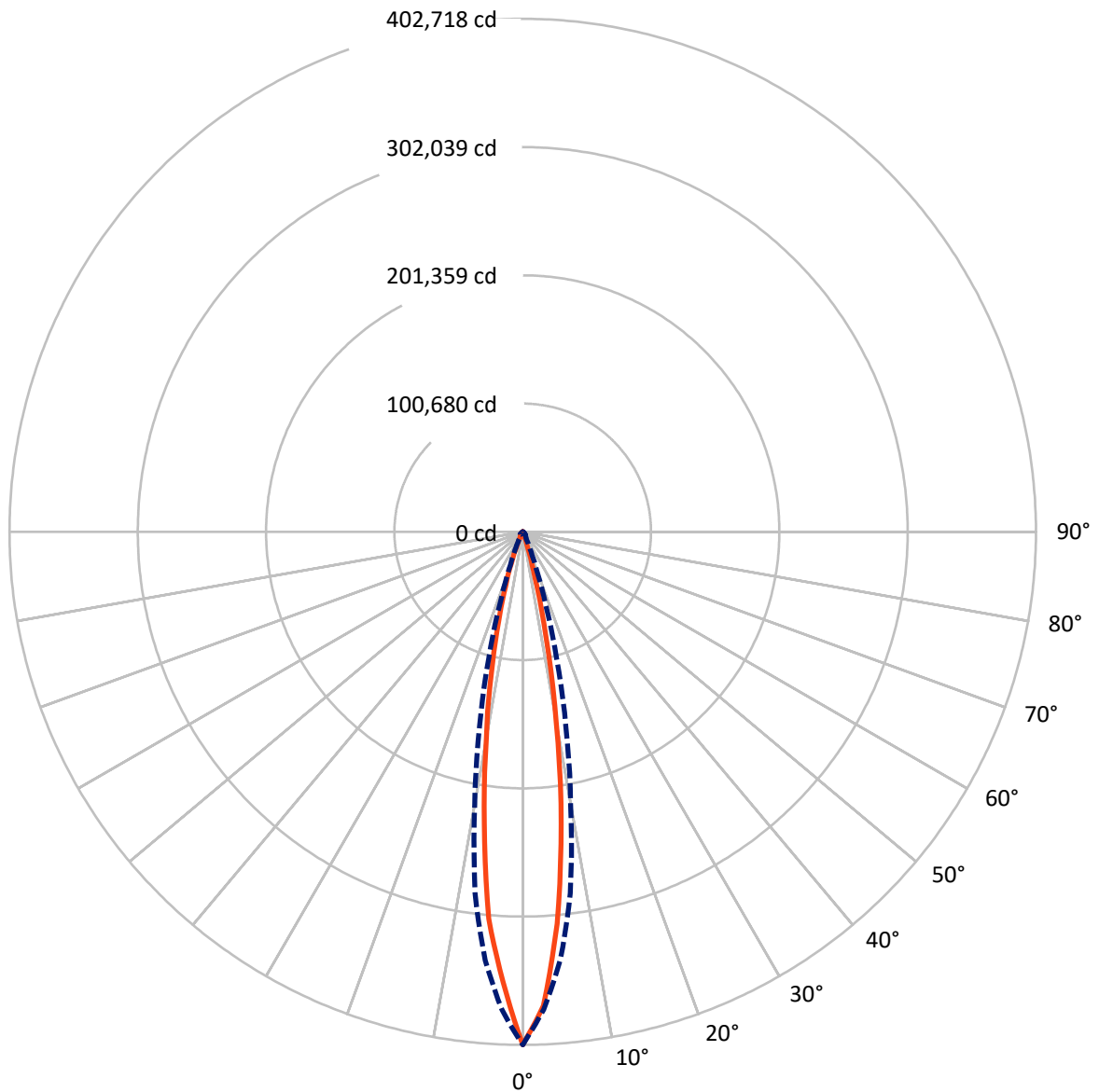
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### Lumen Table

90	0.1	0.4	0.6	0.7	0.8	0.7	0.6	0.4	0.1										
80	0.1	0.4	0.6	0.7	0.8	0.7	0.6	0.4	0.1										
70	0.2	0.1	0.2	0.6	0.7	0.4	0.2	0.2	0.2	0.2	0.4	0.7	0.6	0.2	0.1	0.2			
60		0.1	0.4	0.5	0.4	0.2	0.1	0.2	0.2	0.1	0.2	0.4	0.5	0.4	0.1				
50	0.2	0.2	0.4	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.4	0.2	0.2			
40		0.2	0.5	0.8	1.4	2.0	2.3	2.7	2.7	2.3	2.0	1.4	0.8	0.5	0.2				
30	0.3	0.4	1.4	3.5	6.8	8.7	15.4	32.6	32.6	15.4	8.7	6.8	3.5	1.4	0.4	0.3			
20		1.0	5.0	16.7	34.9	63.3	437.0	1346.0	1346.0	437.0	63.3	34.9	16.7	5.0	1.0				
10	0.4	1.9	10.4	40.6	81.4	258.4	2523.0	7499.9	7499.9	2523.0	258.4	81.4	40.6	10.4	1.9	0.4			
0		2.5	12.3	47.5	92.9	269.6	2575.3	7540.3	7540.3	2575.3	269.6	92.9	47.5	12.3	2.5				
-10	0.6	2.7	10.8	35.5	71.8	116.4	711.1	2112.5	2112.5	711.1	116.4	71.8	35.5	10.8	2.7	0.6			
-20		2.6	9.1	21.0	53.4	75.8	114.6	240.5	240.5	114.6	75.8	53.4	21.0	9.1	2.6				
-30	0.5	2.3	7.3	14.6	32.7	62.5	79.6	85.5	85.5	79.6	62.5	32.7	14.6	7.3	2.3	0.5			
-40		1.6	5.4	11.7	19.8	32.0	51.9	67.5	67.5	51.9	32.0	19.8	11.7	5.4	1.6				
-50	0.3	0.8	3.1	7.4	13.4	19.5	24.1	26.8	26.8	24.1	19.5	13.4	7.4	3.1	0.8	0.3			
-60		0.3	1.1	3.1	6.0	9.2	12.4	14.5	14.5	12.4	9.2	6.0	3.1	1.1	0.3				
-70	0.2	1.0	2.7	6.8	10.6	6.8	2.7	1.0	0.2							0.2			
-80		1.0	2.7	6.8	10.6	6.8	2.7	1.0	0.2										
-90	0.2	1.0	2.7	6.8	10.6	6.8	2.7	1.0	0.2							0.2			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

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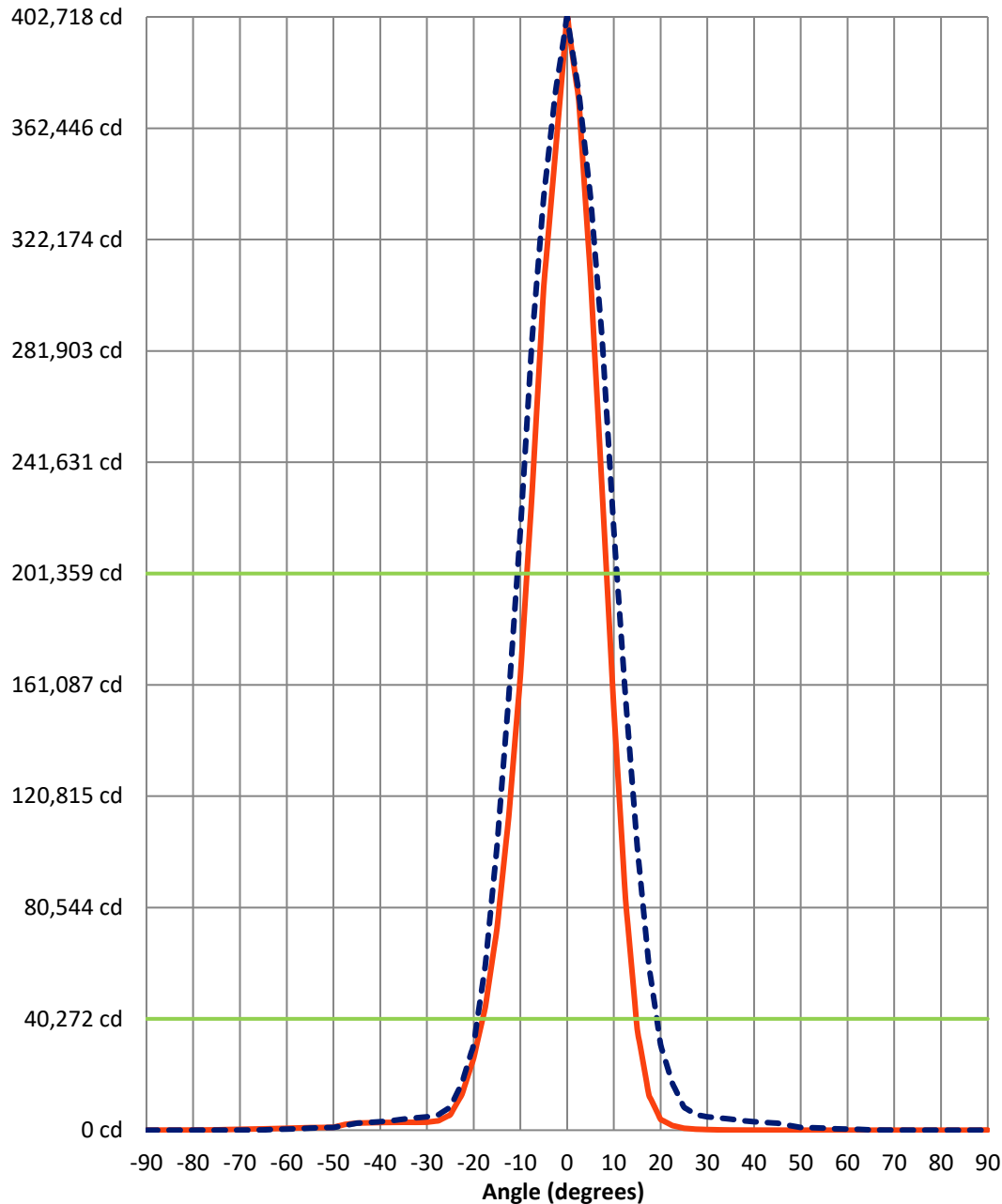
### Luminous Intensity Polar Plot



— Vertical Distribution Through 0-Deg      - - - Horizontal Distribution Through 0-Deg

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### Luminous Intensity Plot



**Beam:**  
 H Angle: 21.3°  
 V Angle: 17°  
 Lumens: 23771  
 Efficiency: 43.8%

**Field:**  
 H Angle: 38.4°  
 V Angle: 32.9°  
 Lumens: 46010.5  
 Efficiency: 84.7%

**Spill:**  
 Lumens: 8307.9  
 Efficiency: 15.3%

— Vertical Distribution through 0-Deg  
 - - Horizontal Distribution through 0-Deg



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FIELD  
 BEAM

**CANDELA DISTRIBUTION:**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	6.7	6.7	6.7	7.1	7.6	8.0	8.4	8.8	9.3	9.7	10.1
87.5°	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.4	6.1	5.9	5.7
85°	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.5	6.4	6.4	6.4
82.5°	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
80°	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
77.5°	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
75°	6.7	6.7	6.7	6.7	6.7	6.8	6.7	6.7	6.7	6.7	6.7
72.5°	6.7	6.7	6.7	6.7	6.9	7.0	6.8	6.7	6.7	6.7	6.7
70°	6.7	6.7	6.7	6.7	7.0	7.1	6.8	6.7	6.7	6.7	6.8
67.5°	6.7	6.7	6.7	6.9	7.2	7.2	6.9	6.7	6.7	7.0	6.9
65°	6.7	6.7	6.7	7.1	7.4	7.3	6.9	6.7	7.1	7.2	7.1
62.5°	6.7	6.7	6.7	7.2	7.6	7.4	7.0	7.0	7.5	7.5	7.1
60°	6.7	6.7	6.7	7.4	7.8	7.4	7.0	7.5	7.9	7.6	7.2
57.5°	6.7	6.7	6.8	7.6	7.8	7.4	7.4	7.9	8.0	7.7	7.7
55°	6.7	6.7	6.9	7.8	7.9	7.5	7.9	8.4	8.1	7.9	8.4
52.5°	6.7	6.7	7.1	8.0	7.9	7.6	8.3	8.6	8.2	8.5	9.1
50°	6.7	6.7	7.2	8.2	7.9	7.9	8.7	8.7	8.4	9.1	10.5
47.5°	6.7	6.7	7.3	8.3	8.0	8.3	9.1	8.9	9.0	9.8	11.7
45°	6.7	6.7	7.4	8.3	8.0	8.6	9.3	9.2	9.6	10.5	12.7
42.5°	6.7	6.7	7.5	8.4	8.1	8.9	9.5	9.6	10.2	11.1	14.0
40°	6.7	6.7	7.6	8.4	8.2	9.3	9.8	10.1	10.9	11.5	15.3
37.5°	6.7	6.7	7.7	8.5	8.5	9.6	10.1	10.6	11.7	12.6	16.4
35°	6.7	6.7	7.8	8.5	8.7	9.8	10.4	11.2	12.5	14.4	17.0
32.5°	6.7	6.7	7.9	8.6	9.0	10.1	10.7	11.7	13.5	16.3	18.4
30°	6.7	6.7	7.9	8.7	9.2	10.3	11.1	12.2	14.5	18.1	20.0
27.5°	6.7	6.7	8.0	8.7	9.4	10.6	11.5	13.0	15.7	19.9	22.0
25°	6.7	6.7	8.1	8.8	9.6	10.9	11.9	13.9	17.3	21.6	24.3
22.5°	6.7	6.7	8.1	9.0	9.7	11.1	12.3	14.8	18.7	23.4	29.0
20°	6.7	6.7	8.2	9.1	9.8	11.2	12.7	15.6	20.2	25.3	34.1
17.5°	6.7	6.7	8.2	9.2	9.9	11.3	13.0	16.5	21.6	27.3	39.6
15°	6.7	6.7	8.3	9.3	10.0	11.4	13.3	17.3	22.9	29.3	45.3
12.5°	6.7	6.7	8.3	9.5	10.0	11.5	13.6	17.9	24.2	31.4	51.2
10°	6.7	6.7	8.3	9.6	10.1	11.6	14.0	18.5	25.5	35.0	58.2
7.5°	6.7	6.7	8.4	9.7	10.1	11.6	14.3	19.0	26.8	38.9	67.6
5°	6.7	6.7	8.4	9.9	10.1	11.7	14.6	19.4	28.1	42.8	76.8
2.5°	6.7	6.7	8.4	10.0	10.1	11.7	14.9	19.8	29.2	46.7	85.6
0°	6.7	6.7	8.4	10.1	10.1	11.7	15.1	20.1	30.2	50.3	93.8
-2.5°	6.7	6.7	8.5	10.2	10.4	12.1	16.4	24.0	38.0	62.2	109.0
-5°	6.7	6.8	8.5	10.3	10.7	12.4	17.7	27.7	45.5	73.6	123.1
-7.5°	6.7	6.8	8.6	10.4	11.0	12.8	18.8	31.2	52.4	84.2	136.0
-10°	6.7	6.8	8.6	10.4	11.2	13.1	19.8	34.2	58.7	93.8	147.6
-12.5°	6.7	6.9	8.7	10.5	11.5	13.4	20.6	36.8	64.1	102.3	157.5
-15°	6.7	6.9	8.7	10.6	11.7	13.6	21.2	38.8	69.0	109.6	165.7
-17.5°	6.7	6.9	8.8	10.6	11.9	13.9	21.6	40.9	73.3	115.7	172.1
-20°	6.7	7.0	8.8	10.6	12.1	14.1	22.0	42.7	76.6	120.5	176.5



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 CATALOG NUMBER: EPH-LS-08-0530N-57-70-2S-CV5

**CANDELA DISTRIBUTION (continued):**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	6.7	7.0	8.8	10.6	12.2	14.3	22.6	43.6	78.7	124.0	179.0
-25°	6.7	7.0	8.8	10.7	12.4	14.7	22.7	43.6	79.5	126.0	179.5
-27.5°	6.7	7.0	8.8	10.7	12.5	14.9	22.3	42.5	79.0	126.6	181.0
-30°	6.7	7.1	8.8	10.6	12.5	15.1	21.5	40.3	77.6	125.7	180.8
-32.5°	6.7	7.1	8.8	10.6	12.6	15.2	20.1	38.9	75.0	123.0	178.6
-35°	6.7	7.1	8.8	10.6	12.6	15.2	19.7	37.2	70.8	118.3	174.4
-37.5°	6.7	7.1	8.7	10.6	12.6	15.1	19.6	34.8	64.9	111.8	162.1
-40°	6.7	7.1	8.7	10.5	12.6	15.1	19.4	31.6	57.4	103.6	147.9
-42.5°	6.7	7.1	8.7	10.5	12.5	15.0	19.0	27.6	51.5	90.6	132.2
-45°	6.7	7.1	8.6	10.4	12.4	14.9	18.4	24.6	46.0	76.2	115.2
-47.5°	6.7	7.1	8.6	10.3	12.3	14.8	17.7	23.7	39.4	61.1	98.1
-50°	6.7	7.1	8.5	10.2	12.2	14.6	17.4	22.6	31.2	51.7	79.9
-52.5°	6.7	7.1	8.4	10.1	12.0	14.3	17.0	21.2	27.1	41.8	61.7
-55°	6.7	7.1	8.3	9.9	11.8	14.0	16.7	19.7	24.9	31.5	50.1
-57.5°	6.7	7.1	8.3	9.8	11.6	13.7	16.2	19.1	22.7	27.3	38.1
-60°	6.7	7.1	8.2	9.6	11.3	13.3	15.7	18.4	20.7	24.8	28.8
-62.5°	6.7	7.0	8.1	9.4	11.0	12.9	15.2	17.6	19.7	22.4	26.2
-65°	6.7	7.0	8.0	9.2	10.7	12.5	14.6	16.7	18.6	20.8	23.6
-67.5°	6.7	7.0	7.9	9.0	10.4	12.0	13.9	15.9	17.4	19.4	21.6
-70°	6.7	7.0	7.8	8.8	10.0	11.5	13.2	15.0	16.6	17.8	19.8
-72.5°	6.7	6.9	7.7	8.6	9.7	11.0	12.5	14.2	15.8	17.1	18.1
-75°	6.7	6.9	7.5	8.4	9.3	10.4	11.7	13.3	15.0	16.3	17.4
-77.5°	6.7	6.9	7.4	8.2	9.0	9.8	11.0	12.4	13.9	15.5	16.8
-80°	6.7	6.8	7.3	8.0	8.7	9.4	10.2	11.5	12.9	14.2	15.6
-82.5°	6.7	6.8	7.1	7.8	8.4	9.1	9.7	10.7	11.8	13.0	14.2
-85°	6.7	6.8	7.0	7.6	8.1	8.7	9.3	10.1	10.9	11.9	12.9
-87.5°	6.7	6.7	6.8	7.3	7.8	8.3	8.8	9.5	10.1	10.8	11.5
-90°	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.3	5.9	5.4	5.0





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**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	10.1	10.1	10.1	10.1	10.5	10.9	11.3	11.7	12.1	12.5	13.0
87.5°	5.6	5.4	5.2	5.0	5.0	5.0	5.0	5.0	4.6	4.2	3.8
85°	6.2	5.9	5.5	5.3	5.3	5.2	5.2	5.0	4.8	4.6	4.5
82.5°	6.5	6.3	6.2	6.2	6.1	5.8	5.5	5.0	5.0	5.0	5.0
80°	6.6	6.7	6.7	6.7	6.3	5.9	5.5	5.1	5.0	5.1	5.1
77.5°	6.7	6.7	6.7	6.7	6.4	6.1	6.0	5.9	5.9	5.8	5.5
75°	6.7	6.7	6.7	6.7	6.6	6.6	6.7	6.7	6.5	6.4	6.4
72.5°	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	8.1	9.9	11.2
70°	6.7	6.7	6.7	6.7	6.7	7.3	9.7	13.0	16.3	18.2	20.3
67.5°	6.7	6.7	6.7	7.0	8.7	11.5	15.2	22.2	30.3	32.6	32.6
65°	6.7	6.7	7.5	9.2	11.5	17.1	24.8	34.2	41.4	40.2	37.3
62.5°	6.7	7.5	9.1	12.0	16.7	23.7	30.9	37.7	44.8	42.9	36.5
60°	7.4	8.5	11.6	16.3	21.3	26.2	33.1	37.5	41.3	41.5	32.0
57.5°	8.2	10.4	15.0	19.9	23.8	27.0	29.9	33.3	34.5	33.7	24.5
55°	9.5	13.0	17.9	22.4	25.0	23.6	25.0	25.7	25.3	23.1	16.1
52.5°	11.7	15.6	20.4	24.0	24.0	21.1	18.7	18.8	17.1	14.1	12.0
50°	13.5	18.0	22.6	24.6	22.8	18.1	14.2	13.7	12.6	11.3	10.1
47.5°	15.4	20.2	24.4	25.0	20.4	16.6	13.1	11.9	11.2	11.0	10.5
45°	17.2	21.5	25.8	23.1	19.2	16.4	14.1	11.7	12.0	11.9	11.4
42.5°	18.8	22.4	24.4	21.6	19.6	17.8	16.0	14.3	13.4	13.7	13.6
40°	19.3	22.9	23.2	22.7	20.9	20.2	19.9	18.6	15.9	17.2	17.5
37.5°	19.6	22.6	23.8	25.6	23.6	24.2	24.9	25.4	23.5	22.2	25.5
35°	19.5	23.1	27.8	30.4	29.1	29.8	32.7	33.9	33.2	32.6	38.7
32.5°	19.9	24.3	33.4	36.5	38.5	39.5	42.0	44.3	46.7	50.5	62.0
30°	22.2	29.5	39.9	43.4	50.0	57.2	55.4	56.7	62.8	85.6	105.2
27.5°	27.1	36.6	46.6	53.8	64.7	79.9	82.3	75.7	95.5	130.2	162.6
25°	33.0	58.9	53.8	66.4	86.9	107.4	116.9	121.4	144.8	191.6	228.0
22.5°	45.4	88.8	86.6	80.1	112.5	139.4	162.9	209.7	275.5	290.2	298.0
20°	67.2	118.3	126.8	133.5	151.0	175.3	216.0	328.0	467.9	519.4	465.9
17.5°	93.0	150.7	171.6	202.3	242.3	250.0	283.7	469.1	709.8	793.8	810.1
15°	122.0	185.4	219.3	279.3	340.2	369.2	467.0	697.4	974.6	1111.8	1206.9
12.5°	153.2	221.7	269.0	362.7	443.2	489.0	697.7	1048.9	1315.0	1475.3	1726.2
10°	185.5	259.2	320.1	450.2	549.7	608.8	952.5	1412.0	1680.1	1862.4	2185.2
7.5°	219.1	295.3	370.7	539.6	658.2	727.9	1220.8	1778.3	2035.6	2234.3	2559.5
5°	251.3	328.6	415.9	614.8	748.1	831.0	1469.4	2137.7	2380.9	2591.6	2882.8
2.5°	280.8	360.4	459.6	684.0	823.6	908.8	1610.9	2343.1	2601.0	2851.8	3170.8
0°	306.6	390.4	501.0	747.3	894.7	983.5	1725.8	2521.7	2788.1	3061.2	3443.2
-2.5°	310.4	399.5	513.8	741.5	881.5	972.0	1695.7	2494.2	2818.1	3136.7	3535.6
-5°	310.2	406.1	523.2	729.8	864.2	957.1	1636.7	2431.2	2807.2	3123.1	3497.6
-7.5°	306.6	410.1	529.0	712.6	837.6	923.6	1523.3	2276.5	2670.6	2949.0	3308.8
-10°	300.5	408.7	521.0	683.4	799.7	878.3	1378.4	2093.6	2527.0	2771.2	3091.1
-12.5°	292.7	402.9	508.5	652.2	762.6	831.9	1210.3	1886.4	2379.9	2594.5	2856.3
-15°	283.7	395.6	493.9	620.1	727.9	785.2	1020.9	1658.0	2234.8	2457.6	2662.6
-17.5°	274.1	387.0	477.2	588.3	696.7	738.6	816.4	1409.0	2028.2	2308.6	2516.3
-20°	264.5	377.3	458.9	557.8	667.2	707.9	758.4	1169.4	1727.6	2136.5	2356.3



REPORT NUMBER: P731552 (CONVERTED FROM TYPE C PHOTOMETRY)  
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**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	255.6	366.7	441.6	532.8	634.0	691.2	730.1	935.2	1410.5	1944.2	2185.4
-25°	252.1	351.1	427.3	509.6	602.4	675.8	703.9	738.4	1121.4	1632.9	2012.4
-27.5°	251.3	338.0	411.4	484.5	571.0	655.7	685.1	710.5	905.7	1320.3	1812.2
-30°	248.0	320.1	393.6	459.6	540.9	620.2	670.5	698.6	742.5	1062.8	1472.3
-32.5°	237.1	301.3	372.7	438.3	509.6	586.2	658.5	692.9	729.0	817.1	1160.2
-35°	222.9	284.0	350.3	415.1	477.6	553.0	627.3	688.4	715.5	756.5	899.5
-37.5°	209.7	264.9	327.3	390.2	450.6	518.7	593.9	662.3	709.8	741.5	792.6
-40°	194.7	244.1	304.3	364.6	422.6	484.5	554.4	625.1	689.2	743.8	783.0
-42.5°	177.9	225.6	279.7	338.0	392.5	451.0	512.9	581.4	654.0	728.9	784.5
-45°	158.8	205.2	254.0	306.9	359.7	414.7	473.2	534.7	608.3	684.6	758.9
-47.5°	138.1	182.7	229.0	273.7	324.0	375.8	430.4	490.5	555.6	627.9	704.3
-50°	116.4	157.9	201.1	242.3	285.8	334.1	384.6	442.2	502.8	566.2	634.6
-52.5°	95.1	131.3	171.2	211.0	249.5	290.7	338.0	389.8	445.7	504.1	561.4
-55°	72.8	105.7	140.0	177.5	214.7	250.4	289.8	336.4	384.3	437.3	488.1
-57.5°	55.8	79.8	110.2	142.3	177.3	212.3	247.7	282.9	325.0	369.1	410.8
-60°	41.9	58.4	81.0	109.0	137.9	170.9	205.6	238.9	271.0	301.5	337.5
-62.5°	29.7	42.6	57.7	76.6	102.1	128.3	158.3	190.1	222.7	249.1	273.1
-65°	26.9	29.8	40.0	53.7	67.3	90.3	114.2	137.8	165.6	191.0	214.9
-67.5°	24.1	26.8	29.4	34.1	46.4	59.5	72.9	93.7	114.4	132.8	150.8
-70°	21.9	23.8	26.0	28.4	30.9	36.5	48.1	59.7	71.3	84.7	100.7
-72.5°	19.8	21.7	23.4	24.8	27.0	29.7	32.5	35.5	42.2	51.5	61.0
-75°	18.4	19.7	21.4	22.9	24.2	25.7	27.5	30.0	32.3	34.3	36.0
-77.5°	17.5	18.3	19.4	20.9	21.9	22.7	23.8	25.2	26.8	28.6	30.4
-80°	16.3	16.8	17.4	18.2	18.9	19.6	20.3	20.9	21.8	23.0	24.3
-82.5°	14.7	15.1	15.5	15.8	16.1	16.5	16.9	17.4	17.9	18.5	19.2
-85°	13.1	13.4	13.7	13.9	13.8	13.8	13.8	13.8	14.1	14.4	14.7
-87.5°	11.6	11.7	11.9	12.0	12.0	12.0	11.9	11.7	11.8	11.9	12.0
-90°	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	4.6	4.2	3.8



REPORT NUMBER: P731552 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0530N-57-70-2S-CV5

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	13.4	13.4	13.4	13.4	13.4	18.0	22.6	27.2	31.8	39.8	47.7
87.5°	3.4	3.4	3.4	3.4	3.4	3.0	2.6	2.1	1.7	1.7	1.7
85°	4.4	4.2	4.0	3.7	3.4	3.3	3.3	3.3	3.3	2.9	2.5
82.5°	5.0	4.6	4.2	3.8	3.4	3.1	2.7	2.3	1.9	1.8	1.7
80°	5.0	4.7	4.3	3.9	3.5	3.3	3.2	3.2	3.2	3.2	3.3
77.5°	5.2	5.0	4.6	4.1	3.5	3.4	3.4	3.4	3.4	3.1	2.7
75°	6.5	6.4	6.3	5.9	5.2	4.8	4.6	4.1	3.5	3.3	3.3
72.5°	11.9	11.8	11.2	10.5	9.3	8.5	8.2	7.8	7.4	7.3	7.2
70°	21.1	20.7	19.5	17.2	14.0	11.8	11.0	9.9	8.8	8.3	8.3
67.5°	29.6	26.3	23.2	19.9	15.9	12.9	11.4	9.7	8.0	7.1	6.9
65°	32.9	26.3	21.8	18.1	15.2	12.5	10.3	8.3	6.5	5.6	5.8
62.5°	29.6	21.8	17.0	13.9	11.5	9.8	8.0	6.6	5.6	5.0	5.1
60°	23.5	15.9	11.7	9.8	8.1	6.8	6.0	5.2	4.5	4.0	4.2
57.5°	17.0	11.4	8.3	7.6	6.7	5.5	4.8	4.5	4.4	4.5	4.8
55°	11.5	9.5	8.4	7.5	6.6	5.6	5.0	5.0	5.0	5.0	5.0
52.5°	9.6	9.0	8.6	7.8	6.9	5.9	5.0	5.0	5.0	5.0	5.0
50°	9.7	9.2	8.7	8.1	7.2	6.2	5.1	5.2	5.6	5.9	6.0
47.5°	9.8	9.4	9.1	8.5	7.7	7.2	6.7	6.8	7.4	7.7	7.6
45°	10.3	10.3	10.2	10.1	9.5	9.6	9.7	9.8	11.9	11.8	10.4
42.5°	12.6	13.4	14.1	14.6	12.5	16.3	22.0	24.7	21.6	17.5	14.8
40°	18.9	19.8	23.8	25.7	31.6	37.2	32.1	26.0	23.3	25.3	26.8
37.5°	30.1	35.8	43.6	52.6	48.9	39.0	39.2	39.1	38.1	41.4	41.3
35°	50.5	63.2	71.0	69.3	64.1	61.2	63.9	66.8	60.3	66.1	67.6
32.5°	81.2	96.5	98.6	93.3	93.6	98.7	107.9	106.6	108.6	115.2	122.8
30°	117.2	135.4	142.4	132.8	125.9	138.0	143.3	147.9	162.7	182.1	199.6
27.5°	176.5	189.8	201.8	191.7	171.7	186.7	197.3	194.2	235.1	257.0	305.9
25°	250.7	269.6	276.5	280.2	273.5	270.7	297.2	310.7	367.2	427.1	528.9
22.5°	342.4	393.9	408.5	389.4	410.8	425.9	443.8	504.3	617.4	801.2	1063.8
20°	458.7	563.8	648.4	634.8	584.4	648.8	721.7	912.5	1242.8	1985.5	2593.3
17.5°	827.0	828.9	997.9	1065.8	982.8	1122.6	1480.5	2101.2	3466.5	5971.8	7596.1
15°	1396.0	1433.6	1511.4	1602.5	1752.0	2116.9	2838.1	5439.1	9356.0	14775.4	20336.4
12.5°	1999.2	2084.2	2217.3	2291.8	2596.8	3573.6	6667.0	12362.3	20630.1	31063.1	48369.7
10°	2517.6	2743.7	2915.2	3148.2	3935.1	6229.5	11567.3	21408.3	38074.2	60583.1	87185.8
7.5°	2884.2	3215.1	3505.0	3943.1	5577.3	10202.2	19154.8	35526.4	60699.5	92486.4	129158.1
5°	3252.8	3671.6	3996.7	4574.1	6626.1	13182.1	25095.7	48754.8	85104.3	128376.3	177421.0
2.5°	3627.4	4098.1	4456.3	5170.8	7297.0	14693.1	28109.7	56649.5	101241.8	153930.8	213474.9
0°	4004.5	4450.2	4827.2	5634.8	8339.1	17070.3	30948.8	59662.4	102745.4	156528.4	216968.3
-2.5°	3987.1	4281.5	4626.7	5252.5	7606.7	15714.1	28765.8	56385.0	97265.6	147152.0	201961.9
-5°	3835.5	4042.2	4315.8	4868.9	6805.2	13098.4	24878.7	48198.4	85907.2	131611.9	178855.1
-7.5°	3600.0	3773.4	3977.9	4434.4	5881.3	10425.2	20124.1	38657.6	68148.1	101260.7	137487.5
-10°	3374.0	3507.8	3653.1	3969.5	4899.2	7640.8	14276.6	26194.5	47438.7	72210.4	99779.3
-12.5°	3165.8	3272.5	3349.7	3483.4	3946.6	5534.4	10264.8	18787.4	30991.9	46336.7	66674.3
-15°	2953.6	3044.1	3084.0	3191.3	3494.2	4280.0	6187.0	11548.1	19373.9	29283.3	39595.3
-17.5°	2725.8	2833.2	2893.3	2962.3	3094.3	3419.8	4472.0	6726.2	11457.5	18110.1	24751.9
-20°	2538.5	2665.0	2716.5	2764.4	2886.1	3077.3	3377.6	4391.4	6119.6	10262.8	14392.9



REPORT NUMBER: P731552 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0530N-57-70-2S-CV5

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	2357.5	2471.5	2538.5	2641.4	2798.8	2931.2	3029.7	3271.1	3988.9	5119.4	7137.8
-25°	2192.8	2291.5	2423.8	2621.3	2775.4	2870.0	2888.6	2898.9	3103.5	3327.9	4009.4
-27.5°	2027.1	2167.0	2363.9	2586.7	2769.8	2815.9	2818.4	2814.9	2863.7	2897.7	3067.3
-30°	1879.4	2062.7	2248.6	2486.5	2664.6	2739.6	2771.4	2793.3	2818.4	2849.4	2860.6
-32.5°	1578.5	1952.9	2103.5	2294.0	2518.5	2637.1	2696.7	2747.6	2775.3	2802.4	2823.7
-35°	1247.9	1643.0	2002.2	2125.3	2284.7	2485.6	2635.3	2696.2	2747.3	2776.3	2803.3
-37.5°	938.6	1277.3	1626.5	1953.8	2116.5	2258.5	2449.8	2598.8	2692.8	2729.9	2762.4
-40°	827.1	915.0	1223.5	1523.7	1810.3	2081.0	2240.0	2420.0	2563.8	2636.6	2692.9
-42.5°	822.8	855.1	886.5	1097.4	1363.7	1624.7	1871.4	2102.4	2315.7	2460.7	2568.1
-45°	821.9	845.0	871.3	902.7	934.4	1138.2	1366.3	1595.6	1829.5	2049.1	2245.8
-47.5°	768.5	825.8	857.3	882.4	903.5	930.5	961.2	1019.1	1209.6	1401.5	1593.8
-50°	695.2	752.5	804.9	855.1	880.6	898.0	914.8	933.9	957.9	982.1	1006.8
-52.5°	613.2	667.5	720.9	768.8	810.1	849.7	887.4	904.7	917.4	929.2	939.3
-55°	536.6	583.3	628.5	671.0	712.0	750.8	786.0	816.2	844.1	869.5	889.4
-57.5°	455.4	499.7	541.8	577.5	611.6	644.0	675.2	704.3	730.4	753.6	773.0
-60°	373.8	410.3	447.2	481.3	513.7	544.3	570.2	594.0	615.9	635.9	654.1
-62.5°	297.1	325.6	356.8	385.4	411.1	436.0	463.6	487.4	507.6	525.2	541.7
-65°	236.9	257.2	279.7	301.3	322.2	345.9	372.0	394.7	414.3	430.7	444.8
-67.5°	171.2	191.0	212.4	232.0	250.2	270.0	293.9	316.4	337.5	354.6	368.3
-70°	115.3	129.4	145.5	163.0	180.5	199.1	220.1	240.4	260.0	275.7	288.7
-72.5°	70.8	80.1	89.3	100.9	113.0	127.3	143.3	159.6	175.8	189.1	200.4
-75°	37.6	40.8	47.8	54.5	60.7	68.7	76.9	84.6	91.7	98.2	104.1
-77.5°	32.2	33.5	34.7	35.8	36.9	40.1	44.1	48.2	52.5	56.9	61.3
-80°	25.7	26.7	27.7	28.7	29.7	32.2	34.8	37.5	40.1	43.1	46.0
-82.5°	19.8	20.3	20.8	21.2	21.6	23.4	25.4	27.3	29.3	31.6	33.9
-85°	15.0	15.2	15.4	15.6	15.8	17.3	18.7	20.2	21.5	24.1	26.6
-87.5°	12.0	12.0	11.9	11.9	11.9	13.7	15.5	17.2	18.8	20.9	23.0
-90°	3.4	3.4	3.4	3.4	3.4	3.0	2.6	2.1	1.7	1.3	0.9



REPORT NUMBER: P731552 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0530N-57-70-2S-CV5

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	55.7	63.7	67.8	72.0	67.8	63.7	55.7	47.7	39.8	31.8	27.2
87.5°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	2.1
85°	2.1	1.7	1.7	1.7	1.7	1.7	2.1	2.5	2.9	3.3	3.3
82.5°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.8	1.9	2.3
80°	3.3	3.4	2.6	1.7	2.6	3.4	3.3	3.3	3.2	3.2	3.2
77.5°	2.2	1.8	2.5	3.4	2.5	1.8	2.2	2.7	3.1	3.4	3.4
75°	3.3	3.4	3.4	3.4	3.4	3.4	3.3	3.3	3.3	3.5	4.1
72.5°	7.0	6.6	6.7	6.7	6.7	6.6	7.0	7.2	7.3	7.4	7.8
70°	8.3	8.3	8.4	8.4	8.4	8.3	8.3	8.3	8.3	8.8	9.9
67.5°	6.8	6.8	5.9	5.0	5.9	6.8	6.8	6.9	7.1	8.0	9.7
65°	6.2	6.6	5.9	5.0	5.9	6.6	6.2	5.8	5.6	6.5	8.3
62.5°	5.1	5.1	5.0	5.0	5.0	5.1	5.1	5.1	5.0	5.6	6.6
60°	4.5	4.9	5.0	5.0	5.0	4.9	4.5	4.2	4.0	4.5	5.2
57.5°	4.9	5.0	5.0	5.0	5.0	5.0	4.9	4.8	4.5	4.4	4.5
55°	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
52.5°	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
50°	5.7	5.2	5.0	5.0	5.0	5.2	5.7	6.0	5.9	5.6	5.2
47.5°	7.3	6.9	6.7	6.7	6.7	6.9	7.3	7.6	7.7	7.4	6.8
45°	10.3	10.1	10.0	10.1	10.0	10.1	10.3	10.4	11.8	11.9	9.8
42.5°	15.0	15.0	15.0	15.1	15.0	15.0	15.0	14.8	17.5	21.6	24.7
40°	28.2	28.4	27.8	26.8	27.8	28.4	28.2	26.8	25.3	23.3	26.0
37.5°	41.2	41.5	41.5	41.9	41.5	41.5	41.2	41.3	41.4	38.1	39.1
35°	66.8	65.1	61.4	62.0	61.4	65.1	66.8	67.6	66.1	60.3	66.8
32.5°	127.7	125.9	118.8	124.0	118.8	125.9	127.7	122.8	115.2	108.6	106.6
30°	214.9	223.4	227.0	226.2	227.0	223.4	214.9	199.6	182.1	162.7	147.9
27.5°	330.9	349.8	361.6	368.6	361.6	349.8	330.9	305.9	257.0	235.1	194.2
25°	602.1	648.8	675.2	710.4	675.2	648.8	602.1	528.9	427.1	367.2	310.7
22.5°	1346.3	1515.3	1622.7	1699.0	1622.7	1515.3	1346.3	1063.8	801.2	617.4	504.3
20°	3493.0	3479.2	3759.2	3910.7	3759.2	3479.2	3493.0	2593.3	1985.5	1242.8	912.5
17.5°	10934.1	12671.7	13112.6	12735.7	13112.6	12671.7	10934.1	7596.1	5971.8	3466.5	2101.2
15°	28105.3	33909.5	36599.3	36561.8	36599.3	33909.5	28105.3	20336.4	14775.4	9356.0	5439.1
12.5°	60605.2	71815.0	79134.3	83562.3	79134.3	71815.0	60605.2	48369.7	31063.1	20630.1	12362.3
10°	109984.6	129187.6	144500.7	152193.8	144500.7	129187.6	109984.6	87185.8	60583.1	38074.2	21408.3
7.5°	162994.8	194065.7	220301.4	231191.9	220301.4	194065.7	162994.8	129158.1	92486.4	60699.5	35526.4
5°	224406.4	273845.0	298399.5	308980.2	298399.5	273845.0	224406.4	177421.0	128376.3	85104.3	48754.8
2.5°	275784.0	325080.9	359401.2	372444.5	359401.2	325080.9	275784.0	213474.9	153930.8	101241.8	56649.5
0°	286068.2	337603.4	375375.8	402718.0	375375.8	337603.4	286068.2	216968.3	156528.4	102745.4	59662.4
-2.5°	264225.0	314579.6	342179.4	353743.0	342179.4	314579.6	264225.0	201961.9	147152.0	97265.6	56385.0
-5°	229700.3	274392.5	299909.5	305034.4	299909.5	274392.5	229700.3	178855.1	131611.9	85907.2	48198.4
-7.5°	175532.3	206469.9	226596.3	230659.1	226596.3	206469.9	175532.3	137487.5	101260.7	68148.1	38657.6
-10°	127654.7	149960.8	162885.8	164284.5	162885.8	149960.8	127654.7	99779.3	72210.4	47438.7	26194.5
-12.5°	85292.8	102770.9	111912.2	113233.4	111912.2	102770.9	85292.8	66674.3	46336.7	30991.9	18787.4
-15°	53448.4	64817.1	71530.9	72986.3	71530.9	64817.1	53448.4	39595.3	29283.3	19373.9	11548.1
-17.5°	32932.3	38682.8	42204.4	44532.3	42204.4	38682.8	32932.3	24751.9	18110.1	11457.5	6726.2
-20°	19256.1	22985.1	25077.8	26029.4	25077.8	22985.1	19256.1	14392.9	10262.8	6119.6	4391.4



REPORT NUMBER: P731552 (CONVERTED FROM TYPE C PHOTOMETRY)  
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**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	9667.4	11507.2	12760.2	12950.2	12760.2	11507.2	9667.4	7137.8	5119.4	3988.9	3271.1
-25°	4688.5	5200.9	5552.6	5572.8	5552.6	5200.9	4688.5	4009.4	3327.9	3103.5	2898.9
-27.5°	3205.9	3312.5	3381.4	3421.4	3381.4	3312.5	3205.9	3067.3	2897.7	2863.7	2814.9
-30°	2872.5	2888.4	2898.1	2885.3	2898.1	2888.4	2872.5	2860.6	2849.4	2818.4	2793.3
-32.5°	2830.9	2838.4	2843.6	2835.0	2843.6	2838.4	2830.9	2823.7	2802.4	2775.3	2747.6
-35°	2827.7	2848.3	2864.4	2860.1	2864.4	2848.3	2827.7	2803.3	2776.3	2747.3	2696.2
-37.5°	2786.1	2804.3	2816.5	2816.6	2816.5	2804.3	2786.1	2762.4	2729.9	2692.8	2598.8
-40°	2724.5	2749.4	2764.8	2764.6	2764.8	2749.4	2724.5	2692.9	2636.6	2563.8	2420.0
-42.5°	2619.4	2654.2	2670.6	2669.1	2670.6	2654.2	2619.4	2568.1	2460.7	2315.7	2102.4
-45°	2393.5	2505.7	2565.9	2571.9	2565.9	2505.7	2393.5	2245.8	2049.1	1829.5	1595.6
-47.5°	1783.4	1956.3	2062.3	2086.0	2062.3	1956.3	1783.4	1593.8	1401.5	1209.6	1019.1
-50°	1031.4	1054.5	1064.2	1060.6	1064.2	1054.5	1031.4	1006.8	982.1	957.9	933.9
-52.5°	948.9	958.2	965.2	970.1	965.2	958.2	948.9	939.3	929.2	917.4	904.7
-55°	905.6	918.1	926.1	929.9	926.1	918.1	905.6	889.4	869.5	844.1	816.2
-57.5°	788.9	801.3	808.3	811.0	808.3	801.3	788.9	773.0	753.6	730.4	704.3
-60°	669.3	681.5	688.6	692.0	688.6	681.5	669.3	654.1	635.9	615.9	594.0
-62.5°	555.7	567.2	574.1	578.1	574.1	567.2	555.7	541.7	525.2	507.6	487.4
-65°	457.2	468.1	474.0	477.5	474.0	468.1	457.2	444.8	430.7	414.3	394.7
-67.5°	380.5	391.4	398.5	403.8	398.5	391.4	380.5	368.3	354.6	337.5	316.4
-70°	300.6	311.2	315.1	316.7	315.1	311.2	300.6	288.7	275.7	260.0	240.4
-72.5°	210.5	219.4	225.2	229.5	225.2	219.4	210.5	200.4	189.1	175.8	159.6
-75°	109.5	114.3	117.7	120.6	117.7	114.3	109.5	104.1	98.2	91.7	84.6
-77.5°	65.6	69.9	71.9	73.7	71.9	69.9	65.6	61.3	56.9	52.5	48.2
-80°	48.8	51.6	52.7	53.6	52.7	51.6	48.8	46.0	43.1	40.1	37.5
-82.5°	36.2	38.4	39.3	40.2	39.3	38.4	36.2	33.9	31.6	29.3	27.3
-85°	29.2	31.7	32.6	33.5	32.6	31.7	29.2	26.6	24.1	21.5	20.2
-87.5°	25.0	26.9	28.5	30.2	28.5	26.9	25.0	23.0	20.9	18.8	17.2
-90°	0.4	0.0	0.0	0.0	0.0	0.0	0.4	0.9	1.3	1.7	2.1



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**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	22.6	18.0	13.4	13.4	13.4	13.4	13.4	13.0	12.5	12.1	11.7
87.5°	2.6	3.0	3.4	3.4	3.4	3.4	3.4	3.8	4.2	4.6	5.0
85°	3.3	3.3	3.4	3.7	4.0	4.2	4.4	4.5	4.6	4.8	5.0
82.5°	2.7	3.1	3.4	3.8	4.2	4.6	5.0	5.0	5.0	5.0	5.0
80°	3.2	3.3	3.5	3.9	4.3	4.7	5.0	5.1	5.1	5.0	5.1
77.5°	3.4	3.4	3.5	4.1	4.6	5.0	5.2	5.5	5.8	5.9	5.9
75°	4.6	4.8	5.2	5.9	6.3	6.4	6.5	6.4	6.4	6.5	6.7
72.5°	8.2	8.5	9.3	10.5	11.2	11.8	11.9	11.2	9.9	8.1	6.7
70°	11.0	11.8	14.0	17.2	19.5	20.7	21.1	20.3	18.2	16.3	13.0
67.5°	11.4	12.9	15.9	19.9	23.2	26.3	29.6	32.6	32.6	30.3	22.2
65°	10.3	12.5	15.2	18.1	21.8	26.3	32.9	37.3	40.2	41.4	34.2
62.5°	8.0	9.8	11.5	13.9	17.0	21.8	29.6	36.5	42.9	44.8	37.7
60°	6.0	6.8	8.1	9.8	11.7	15.9	23.5	32.0	41.5	41.3	37.5
57.5°	4.8	5.5	6.7	7.6	8.3	11.4	17.0	24.5	33.7	34.5	33.3
55°	5.0	5.6	6.6	7.5	8.4	9.5	11.5	16.1	23.1	25.3	25.7
52.5°	5.0	5.9	6.9	7.8	8.6	9.0	9.6	12.0	14.1	17.1	18.8
50°	5.1	6.2	7.2	8.1	8.7	9.2	9.7	10.1	11.3	12.6	13.7
47.5°	6.7	7.2	7.7	8.5	9.1	9.4	9.8	10.5	11.0	11.2	11.9
45°	9.7	9.6	9.5	10.1	10.2	10.3	10.3	11.4	11.9	12.0	11.7
42.5°	22.0	16.3	12.5	14.6	14.1	13.4	12.6	13.6	13.7	13.4	14.3
40°	32.1	37.2	31.6	25.7	23.8	19.8	18.9	17.5	17.2	15.9	18.6
37.5°	39.2	39.0	48.9	52.6	43.6	35.8	30.1	25.5	22.2	23.5	25.4
35°	63.9	61.2	64.1	69.3	71.0	63.2	50.5	38.7	32.6	33.2	33.9
32.5°	107.9	98.7	93.6	93.3	98.6	96.5	81.2	62.0	50.5	46.7	44.3
30°	143.3	138.0	125.9	132.8	142.4	135.4	117.2	105.2	85.6	62.8	56.7
27.5°	197.3	186.7	171.7	191.7	201.8	189.8	176.5	162.6	130.2	95.5	75.7
25°	297.2	270.7	273.5	280.2	276.5	269.6	250.7	228.0	191.6	144.8	121.4
22.5°	443.8	425.9	410.8	389.4	408.5	393.9	342.4	298.0	290.2	275.5	209.7
20°	721.7	648.8	584.4	634.8	648.4	563.8	458.7	465.9	519.4	467.9	328.0
17.5°	1480.5	1122.6	982.8	1065.8	997.9	828.9	827.0	810.1	793.8	709.8	469.1
15°	2838.1	2116.9	1752.0	1602.5	1511.4	1433.6	1396.0	1206.9	1111.8	974.6	697.4
12.5°	6667.0	3573.6	2596.8	2291.8	2217.3	2084.2	1999.2	1726.2	1475.3	1315.0	1048.9
10°	11567.3	6229.5	3935.1	3148.2	2915.2	2743.7	2517.6	2185.2	1862.4	1680.1	1412.0
7.5°	19154.8	10202.2	5577.3	3943.1	3505.0	3215.1	2884.2	2559.5	2234.3	2035.6	1778.3
5°	25095.7	13182.1	6626.1	4574.1	3996.7	3671.6	3252.8	2882.8	2591.6	2380.9	2137.7
2.5°	28109.7	14693.1	7297.0	5170.8	4456.3	4098.1	3627.4	3170.8	2851.8	2601.0	2343.1
0°	30948.8	17070.3	8339.1	5634.8	4827.2	4450.2	4004.5	3443.2	3061.2	2788.1	2521.7
-2.5°	28765.8	15714.1	7606.7	5252.5	4626.7	4281.5	3987.1	3535.6	3136.7	2818.1	2494.2
-5°	24878.7	13098.4	6805.2	4868.9	4315.8	4042.2	3835.5	3497.6	3123.1	2807.2	2431.2
-7.5°	20124.1	10425.2	5881.3	4434.4	3977.9	3773.4	3600.0	3308.8	2949.0	2670.6	2276.5
-10°	14276.6	7640.8	4899.2	3969.5	3653.1	3507.8	3374.0	3091.1	2771.2	2527.0	2093.6
-12.5°	10264.8	5534.4	3946.6	3483.4	3349.7	3272.5	3165.8	2856.3	2594.5	2379.9	1886.4
-15°	6187.0	4280.0	3494.2	3191.3	3084.0	3044.1	2953.6	2662.6	2457.6	2234.8	1658.0
-17.5°	4472.0	3419.8	3094.3	2962.3	2893.3	2833.2	2725.8	2516.3	2308.6	2028.2	1409.0
-20°	3377.6	3077.3	2886.1	2764.4	2716.5	2665.0	2538.5	2356.3	2136.5	1727.6	1169.4



REPORT NUMBER: P731552 (CONVERTED FROM TYPE C PHOTOMETRY)  
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**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	3029.7	2931.2	2798.8	2641.4	2538.5	2471.5	2357.5	2185.4	1944.2	1410.5	935.2
-25°	2888.6	2870.0	2775.4	2621.3	2423.8	2291.5	2192.8	2012.4	1632.9	1121.4	738.4
-27.5°	2818.4	2815.9	2769.8	2586.7	2363.9	2167.0	2027.1	1812.2	1320.3	905.7	710.5
-30°	2771.4	2739.6	2664.6	2486.5	2248.6	2062.7	1879.4	1472.3	1062.8	742.5	698.6
-32.5°	2696.7	2637.1	2518.5	2294.0	2103.5	1952.9	1578.5	1160.2	817.1	729.0	692.9
-35°	2635.3	2485.6	2284.7	2125.3	2002.2	1643.0	1247.9	899.5	756.5	715.5	688.4
-37.5°	2449.8	2258.5	2116.5	1953.8	1626.5	1277.3	938.6	792.6	741.5	709.8	662.3
-40°	2240.0	2081.0	1810.3	1523.7	1223.5	915.0	827.1	783.0	743.8	689.2	625.1
-42.5°	1871.4	1624.7	1363.7	1097.4	886.5	855.1	822.8	784.5	728.9	654.0	581.4
-45°	1366.3	1138.2	934.4	902.7	871.3	845.0	821.9	758.9	684.6	608.3	534.7
-47.5°	961.2	930.5	903.5	882.4	857.3	825.8	768.5	704.3	627.9	555.6	490.5
-50°	914.8	898.0	880.6	855.1	804.9	752.5	695.2	634.6	566.2	502.8	442.2
-52.5°	887.4	849.7	810.1	768.8	720.9	667.5	613.2	561.4	504.1	445.7	389.8
-55°	786.0	750.8	712.0	671.0	628.5	583.3	536.6	488.1	437.3	384.3	336.4
-57.5°	675.2	644.0	611.6	577.5	541.8	499.7	455.4	410.8	369.1	325.0	282.9
-60°	570.2	544.3	513.7	481.3	447.2	410.3	373.8	337.5	301.5	271.0	238.9
-62.5°	463.6	436.0	411.1	385.4	356.8	325.6	297.1	273.1	249.1	222.7	190.1
-65°	372.0	345.9	322.2	301.3	279.7	257.2	236.9	214.9	191.0	165.6	137.8
-67.5°	293.9	270.0	250.2	232.0	212.4	191.0	171.2	150.8	132.8	114.4	93.7
-70°	220.1	199.1	180.5	163.0	145.5	129.4	115.3	100.7	84.7	71.3	59.7
-72.5°	143.3	127.3	113.0	100.9	89.3	80.1	70.8	61.0	51.5	42.2	35.5
-75°	76.9	68.7	60.7	54.5	47.8	40.8	37.6	36.0	34.3	32.3	30.0
-77.5°	44.1	40.1	36.9	35.8	34.7	33.5	32.2	30.4	28.6	26.8	25.2
-80°	34.8	32.2	29.7	28.7	27.7	26.7	25.7	24.3	23.0	21.8	20.9
-82.5°	25.4	23.4	21.6	21.2	20.8	20.3	19.8	19.2	18.5	17.9	17.4
-85°	18.7	17.3	15.8	15.6	15.4	15.2	15.0	14.7	14.4	14.1	13.8
-87.5°	15.5	13.7	11.9	11.9	11.9	12.0	12.0	12.0	11.9	11.8	11.7
-90°	2.6	3.0	3.4	3.4	3.4	3.4	3.4	3.8	4.2	4.6	5.0





REPORT NUMBER: P731552 (CONVERTED FROM TYPE C PHOTOMETRY)  
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**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	11.3	10.9	10.5	10.1	10.1	10.1	10.1	10.1	9.7	9.3	8.8
87.5°	5.0	5.0	5.0	5.0	5.2	5.4	5.6	5.7	5.9	6.1	6.4
85°	5.2	5.2	5.3	5.3	5.5	5.9	6.2	6.4	6.4	6.4	6.5
82.5°	5.5	5.8	6.1	6.2	6.2	6.3	6.5	6.7	6.7	6.7	6.7
80°	5.5	5.9	6.3	6.7	6.7	6.7	6.6	6.7	6.7	6.7	6.7
77.5°	6.0	6.1	6.4	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
75°	6.7	6.6	6.6	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
72.5°	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
70°	9.7	7.3	6.7	6.7	6.7	6.7	6.7	6.8	6.7	6.7	6.7
67.5°	15.2	11.5	8.7	7.0	6.7	6.7	6.7	6.9	7.0	6.7	6.7
65°	24.8	17.1	11.5	9.2	7.5	6.7	6.7	7.1	7.2	7.1	6.7
62.5°	30.9	23.7	16.7	12.0	9.1	7.5	6.7	7.1	7.5	7.5	7.0
60°	33.1	26.2	21.3	16.3	11.6	8.5	7.4	7.2	7.6	7.9	7.5
57.5°	29.9	27.0	23.8	19.9	15.0	10.4	8.2	7.7	7.7	8.0	7.9
55°	25.0	23.6	25.0	22.4	17.9	13.0	9.5	8.4	7.9	8.1	8.4
52.5°	18.7	21.1	24.0	24.0	20.4	15.6	11.7	9.1	8.5	8.2	8.6
50°	14.2	18.1	22.8	24.6	22.6	18.0	13.5	10.5	9.1	8.4	8.7
47.5°	13.1	16.6	20.4	25.0	24.4	20.2	15.4	11.7	9.8	9.0	8.9
45°	14.1	16.4	19.2	23.1	25.8	21.5	17.2	12.7	10.5	9.6	9.2
42.5°	16.0	17.8	19.6	21.6	24.4	22.4	18.8	14.0	11.1	10.2	9.6
40°	19.9	20.2	20.9	22.7	23.2	22.9	19.3	15.3	11.5	10.9	10.1
37.5°	24.9	24.2	23.6	25.6	23.8	22.6	19.6	16.4	12.6	11.7	10.6
35°	32.7	29.8	29.1	30.4	27.8	23.1	19.5	17.0	14.4	12.5	11.2
32.5°	42.0	39.5	38.5	36.5	33.4	24.3	19.9	18.4	16.3	13.5	11.7
30°	55.4	57.2	50.0	43.4	39.9	29.5	22.2	20.0	18.1	14.5	12.2
27.5°	82.3	79.9	64.7	53.8	46.6	36.6	27.1	22.0	19.9	15.7	13.0
25°	116.9	107.4	86.9	66.4	53.8	58.9	33.0	24.3	21.6	17.3	13.9
22.5°	162.9	139.4	112.5	80.1	86.6	88.8	45.4	29.0	23.4	18.7	14.8
20°	216.0	175.3	151.0	133.5	126.8	118.3	67.2	34.1	25.3	20.2	15.6
17.5°	283.7	250.0	242.3	202.3	171.6	150.7	93.0	39.6	27.3	21.6	16.5
15°	467.0	369.2	340.2	279.3	219.3	185.4	122.0	45.3	29.3	22.9	17.3
12.5°	697.7	489.0	443.2	362.7	269.0	221.7	153.2	51.2	31.4	24.2	17.9
10°	952.5	608.8	549.7	450.2	320.1	259.2	185.5	58.2	35.0	25.5	18.5
7.5°	1220.8	727.9	658.2	539.6	370.7	295.3	219.1	67.6	38.9	26.8	19.0
5°	1469.4	831.0	748.1	614.8	415.9	328.6	251.3	76.8	42.8	28.1	19.4
2.5°	1610.9	908.8	823.6	684.0	459.6	360.4	280.8	85.6	46.7	29.2	19.8
0°	1725.8	983.5	894.7	747.3	501.0	390.4	306.6	93.8	50.3	30.2	20.1
-2.5°	1695.7	972.0	881.5	741.5	513.8	399.5	310.4	109.0	62.2	38.0	24.0
-5°	1636.7	957.1	864.2	729.8	523.2	406.1	310.2	123.1	73.6	45.5	27.7
-7.5°	1523.3	923.6	837.6	712.6	529.0	410.1	306.6	136.0	84.2	52.4	31.2
-10°	1378.4	878.3	799.7	683.4	521.0	408.7	300.5	147.6	93.8	58.7	34.2
-12.5°	1210.3	831.9	762.6	652.2	508.5	402.9	292.7	157.5	102.3	64.1	36.8
-15°	1020.9	785.2	727.9	620.1	493.9	395.6	283.7	165.7	109.6	69.0	38.8
-17.5°	816.4	738.6	696.7	588.3	477.2	387.0	274.1	172.1	115.7	73.3	40.9
-20°	758.4	707.9	667.2	557.8	458.9	377.3	264.5	176.5	120.5	76.6	42.7



REPORT NUMBER: P731552 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0530N-57-70-2S-CV5

**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	730.1	691.2	634.0	532.8	441.6	366.7	255.6	179.0	124.0	78.7	43.6
-25°	703.9	675.8	602.4	509.6	427.3	351.1	252.1	179.5	126.0	79.5	43.6
-27.5°	685.1	655.7	571.0	484.5	411.4	338.0	251.3	181.0	126.6	79.0	42.5
-30°	670.5	620.2	540.9	459.6	393.6	320.1	248.0	180.8	125.7	77.6	40.3
-32.5°	658.5	586.2	509.6	438.3	372.7	301.3	237.1	178.6	123.0	75.0	38.9
-35°	627.3	553.0	477.6	415.1	350.3	284.0	222.9	174.4	118.3	70.8	37.2
-37.5°	593.9	518.7	450.6	390.2	327.3	264.9	209.7	162.1	111.8	64.9	34.8
-40°	554.4	484.5	422.6	364.6	304.3	244.1	194.7	147.9	103.6	57.4	31.6
-42.5°	512.9	451.0	392.5	338.0	279.7	225.6	177.9	132.2	90.6	51.5	27.6
-45°	473.2	414.7	359.7	306.9	254.0	205.2	158.8	115.2	76.2	46.0	24.6
-47.5°	430.4	375.8	324.0	273.7	229.0	182.7	138.1	98.1	61.1	39.4	23.7
-50°	384.6	334.1	285.8	242.3	201.1	157.9	116.4	79.9	51.7	31.2	22.6
-52.5°	338.0	290.7	249.5	211.0	171.2	131.3	95.1	61.7	41.8	27.1	21.2
-55°	289.8	250.4	214.7	177.5	140.0	105.7	72.8	50.1	31.5	24.9	19.7
-57.5°	247.7	212.3	177.3	142.3	110.2	79.8	55.8	38.1	27.3	22.7	19.1
-60°	205.6	170.9	137.9	109.0	81.0	58.4	41.9	28.8	24.8	20.7	18.4
-62.5°	158.3	128.3	102.1	76.6	57.7	42.6	29.7	26.2	22.4	19.7	17.6
-65°	114.2	90.3	67.3	53.7	40.0	29.8	26.9	23.6	20.8	18.6	16.7
-67.5°	72.9	59.5	46.4	34.1	29.4	26.8	24.1	21.6	19.4	17.4	15.9
-70°	48.1	36.5	30.9	28.4	26.0	23.8	21.9	19.8	17.8	16.6	15.0
-72.5°	32.5	29.7	27.0	24.8	23.4	21.7	19.8	18.1	17.1	15.8	14.2
-75°	27.5	25.7	24.2	22.9	21.4	19.7	18.4	17.4	16.3	15.0	13.3
-77.5°	23.8	22.7	21.9	20.9	19.4	18.3	17.5	16.8	15.5	13.9	12.4
-80°	20.3	19.6	18.9	18.2	17.4	16.8	16.3	15.6	14.2	12.9	11.5
-82.5°	16.9	16.5	16.1	15.8	15.5	15.1	14.7	14.2	13.0	11.8	10.7
-85°	13.8	13.8	13.8	13.9	13.7	13.4	13.1	12.9	11.9	10.9	10.1
-87.5°	11.9	12.0	12.0	12.0	11.9	11.7	11.6	11.5	10.8	10.1	9.5
-90°	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.4	5.9	6.3



REPORT NUMBER: P731552 (CONVERTED FROM TYPE C PHOTOMETRY)  
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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	8.4	8.0	7.6	7.1	6.7	6.7	6.7
87.5°	6.7	6.7	6.7	6.7	6.7	6.7	6.7
85°	6.7	6.7	6.7	6.7	6.7	6.7	6.7
82.5°	6.7	6.7	6.7	6.7	6.7	6.7	6.7
80°	6.7	6.7	6.7	6.7	6.7	6.7	6.7
77.5°	6.7	6.7	6.7	6.7	6.7	6.7	6.7
75°	6.7	6.8	6.7	6.7	6.7	6.7	6.7
72.5°	6.8	7.0	6.9	6.7	6.7	6.7	6.7
70°	6.8	7.1	7.0	6.7	6.7	6.7	6.7
67.5°	6.9	7.2	7.2	6.9	6.7	6.7	6.7
65°	6.9	7.3	7.4	7.1	6.7	6.7	6.7
62.5°	7.0	7.4	7.6	7.2	6.7	6.7	6.7
60°	7.0	7.4	7.8	7.4	6.7	6.7	6.7
57.5°	7.4	7.4	7.8	7.6	6.8	6.7	6.7
55°	7.9	7.5	7.9	7.8	6.9	6.7	6.7
52.5°	8.3	7.6	7.9	8.0	7.1	6.7	6.7
50°	8.7	7.9	7.9	8.2	7.2	6.7	6.7
47.5°	9.1	8.3	8.0	8.3	7.3	6.7	6.7
45°	9.3	8.6	8.0	8.3	7.4	6.7	6.7
42.5°	9.5	8.9	8.1	8.4	7.5	6.7	6.7
40°	9.8	9.3	8.2	8.4	7.6	6.7	6.7
37.5°	10.1	9.6	8.5	8.5	7.7	6.7	6.7
35°	10.4	9.8	8.7	8.5	7.8	6.7	6.7
32.5°	10.7	10.1	9.0	8.6	7.9	6.7	6.7
30°	11.1	10.3	9.2	8.7	7.9	6.7	6.7
27.5°	11.5	10.6	9.4	8.7	8.0	6.7	6.7
25°	11.9	10.9	9.6	8.8	8.1	6.7	6.7
22.5°	12.3	11.1	9.7	9.0	8.1	6.7	6.7
20°	12.7	11.2	9.8	9.1	8.2	6.7	6.7
17.5°	13.0	11.3	9.9	9.2	8.2	6.7	6.7
15°	13.3	11.4	10.0	9.3	8.3	6.7	6.7
12.5°	13.6	11.5	10.0	9.5	8.3	6.7	6.7
10°	14.0	11.6	10.1	9.6	8.3	6.7	6.7
7.5°	14.3	11.6	10.1	9.7	8.4	6.7	6.7
5°	14.6	11.7	10.1	9.9	8.4	6.7	6.7
2.5°	14.9	11.7	10.1	10.0	8.4	6.7	6.7
0°	15.1	11.7	10.1	10.1	8.4	6.7	6.7
-2.5°	16.4	12.1	10.4	10.2	8.5	6.7	6.7
-5°	17.7	12.4	10.7	10.3	8.5	6.8	6.7
-7.5°	18.8	12.8	11.0	10.4	8.6	6.8	6.7
-10°	19.8	13.1	11.2	10.4	8.6	6.8	6.7
-12.5°	20.6	13.4	11.5	10.5	8.7	6.9	6.7
-15°	21.2	13.6	11.7	10.6	8.7	6.9	6.7
-17.5°	21.6	13.9	11.9	10.6	8.8	6.9	6.7
-20°	22.0	14.1	12.1	10.6	8.8	7.0	6.7



REPORT NUMBER: P731552 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0530N-57-70-2S-CV5

**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	22.6	14.3	12.2	10.6	8.8	7.0	6.7
-25°	22.7	14.7	12.4	10.7	8.8	7.0	6.7
-27.5°	22.3	14.9	12.5	10.7	8.8	7.0	6.7
-30°	21.5	15.1	12.5	10.6	8.8	7.1	6.7
-32.5°	20.1	15.2	12.6	10.6	8.8	7.1	6.7
-35°	19.7	15.2	12.6	10.6	8.8	7.1	6.7
-37.5°	19.6	15.1	12.6	10.6	8.7	7.1	6.7
-40°	19.4	15.1	12.6	10.5	8.7	7.1	6.7
-42.5°	19.0	15.0	12.5	10.5	8.7	7.1	6.7
-45°	18.4	14.9	12.4	10.4	8.6	7.1	6.7
-47.5°	17.7	14.8	12.3	10.3	8.6	7.1	6.7
-50°	17.4	14.6	12.2	10.2	8.5	7.1	6.7
-52.5°	17.0	14.3	12.0	10.1	8.4	7.1	6.7
-55°	16.7	14.0	11.8	9.9	8.3	7.1	6.7
-57.5°	16.2	13.7	11.6	9.8	8.3	7.1	6.7
-60°	15.7	13.3	11.3	9.6	8.2	7.1	6.7
-62.5°	15.2	12.9	11.0	9.4	8.1	7.0	6.7
-65°	14.6	12.5	10.7	9.2	8.0	7.0	6.7
-67.5°	13.9	12.0	10.4	9.0	7.9	7.0	6.7
-70°	13.2	11.5	10.0	8.8	7.8	7.0	6.7
-72.5°	12.5	11.0	9.7	8.6	7.7	6.9	6.7
-75°	11.7	10.4	9.3	8.4	7.5	6.9	6.7
-77.5°	11.0	9.8	9.0	8.2	7.4	6.9	6.7
-80°	10.2	9.4	8.7	8.0	7.3	6.8	6.7
-82.5°	9.7	9.1	8.4	7.8	7.1	6.8	6.7
-85°	9.3	8.7	8.1	7.6	7.0	6.8	6.7
-87.5°	8.8	8.3	7.8	7.3	6.8	6.7	6.7
-90°	6.7	6.7	6.7	6.7	6.7	6.7	6.7

(END OF REPORT)

Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269

Scaled Data Report



Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269

Scaled Data Report





Horizontal Angle (degrees)



Horizontal Angle (degrees)



Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269

Scaled Data Report

